

FIG. 1A

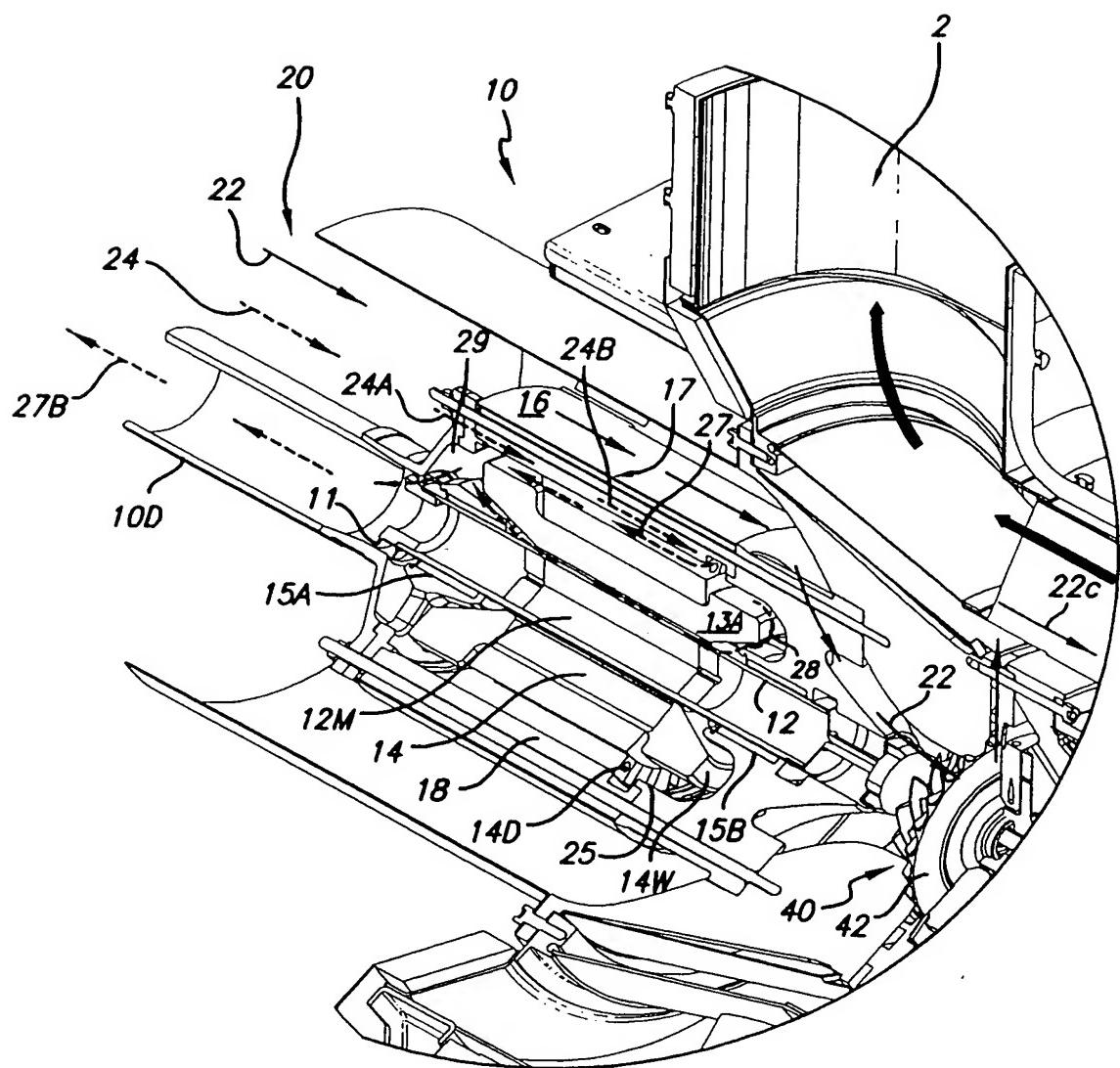


FIG. 1B

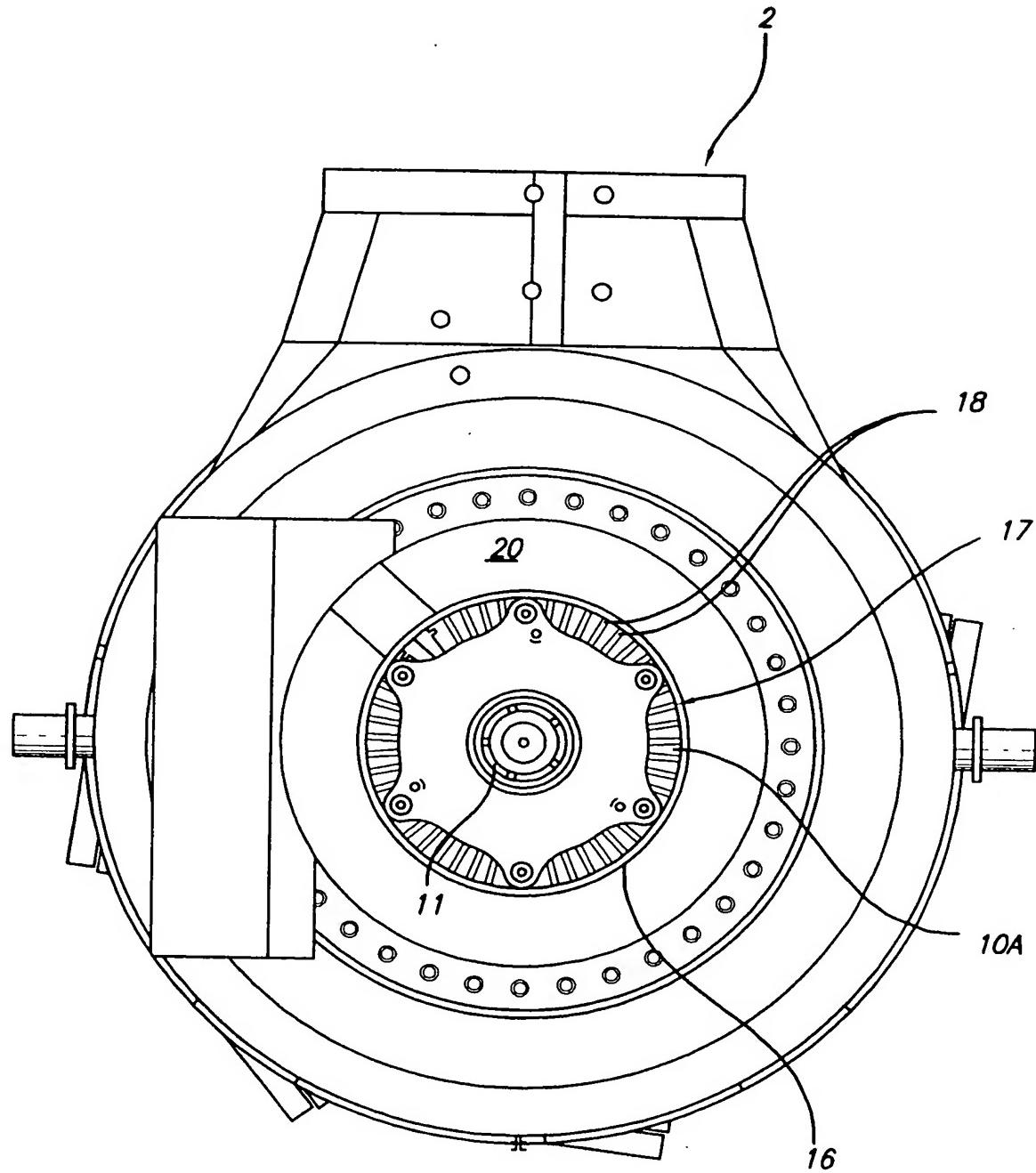


FIG. 1C

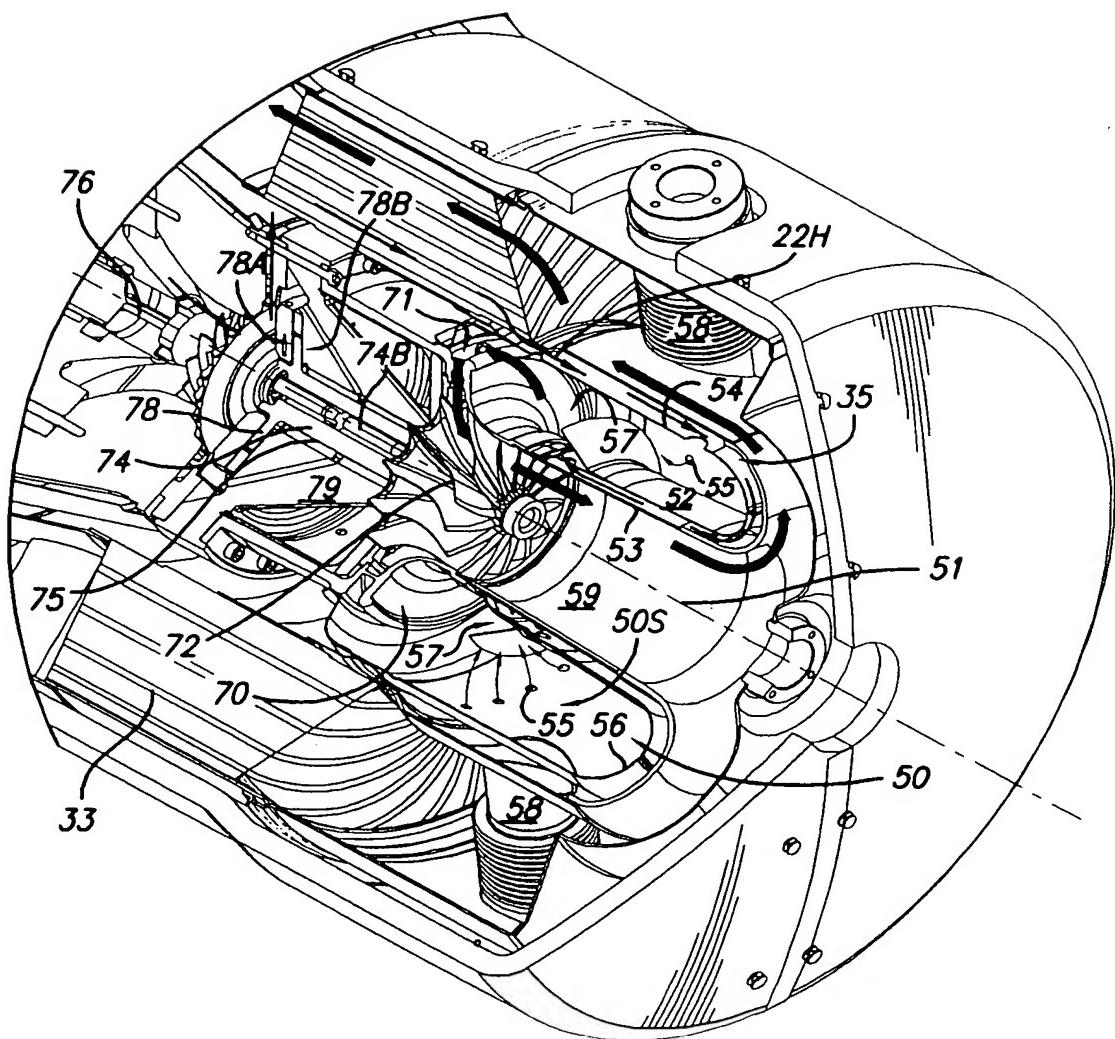


FIG. 1D

FIG. 1E

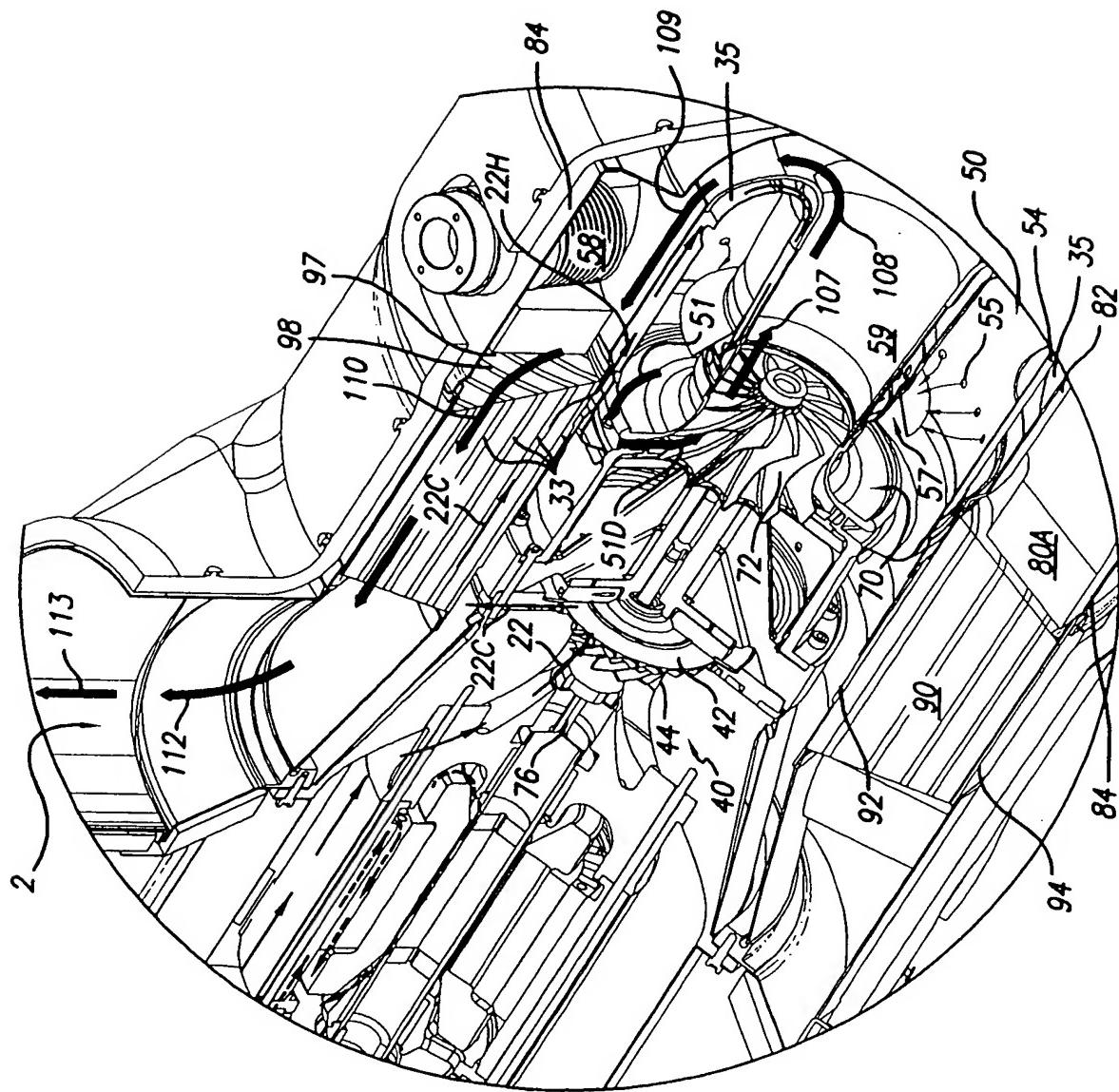
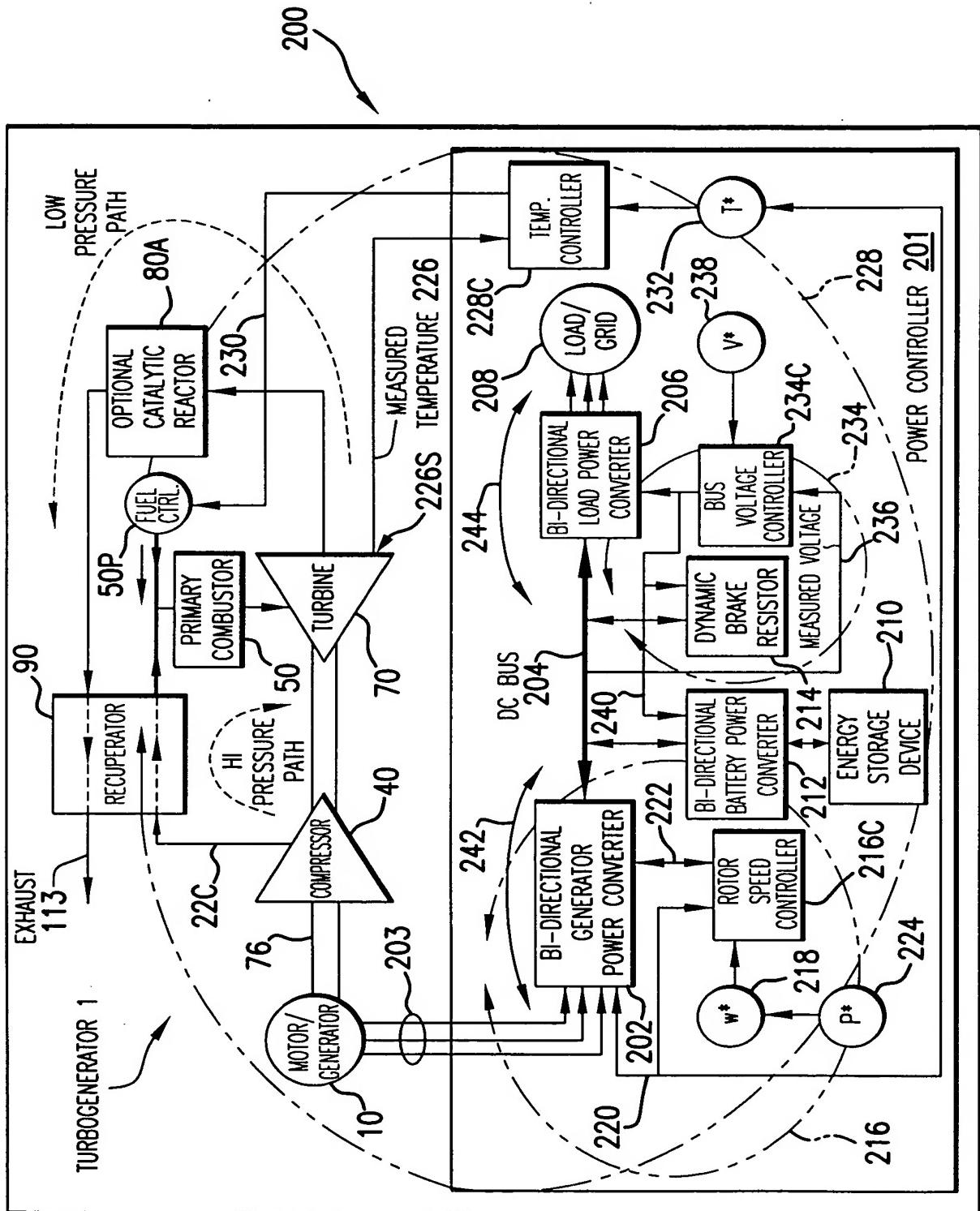


FIG.2



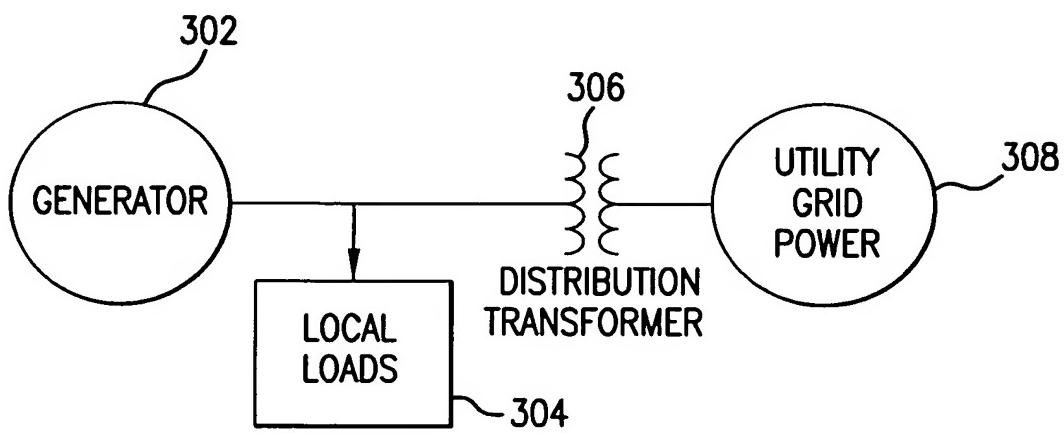


FIG.3

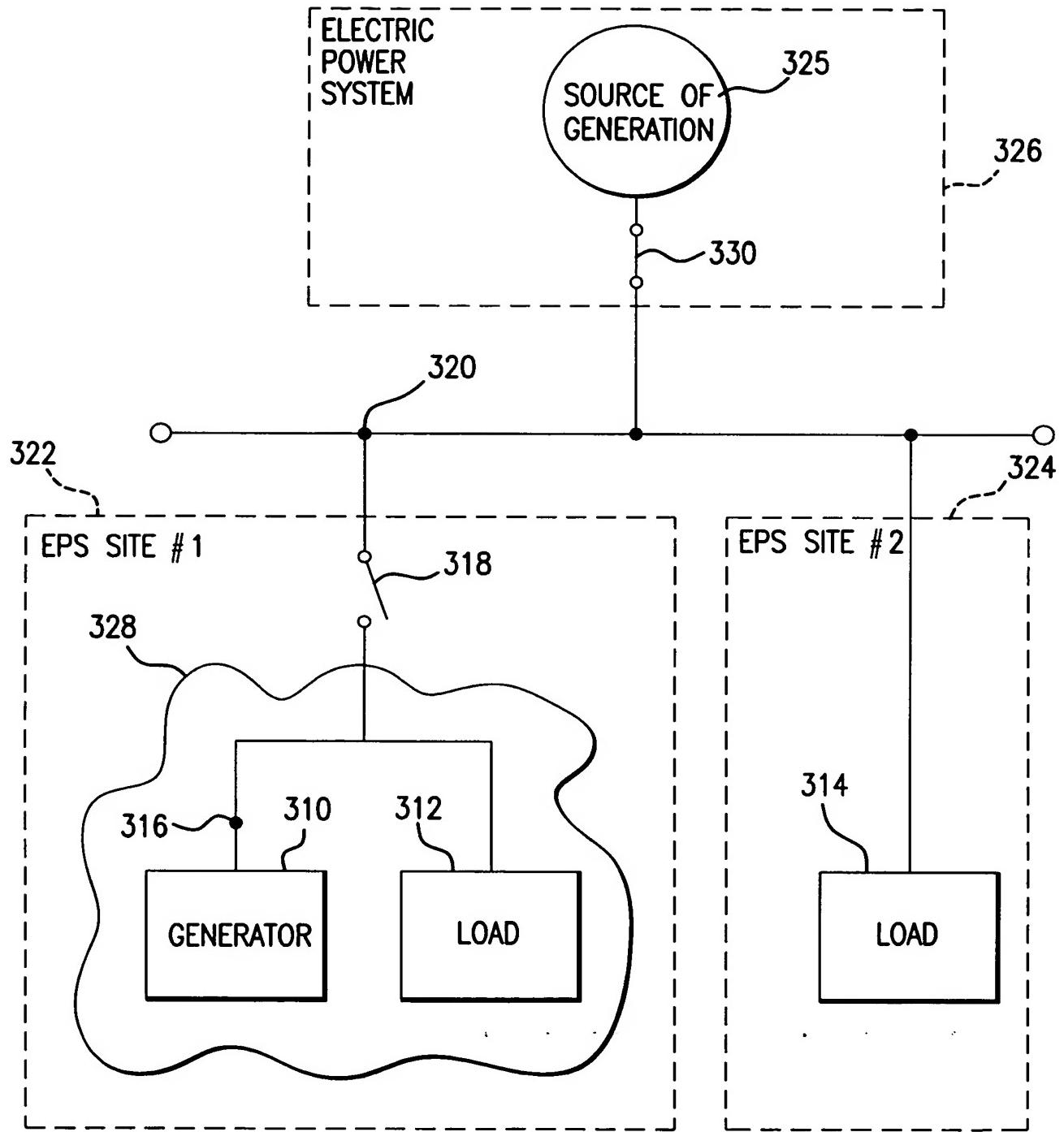


FIG.4

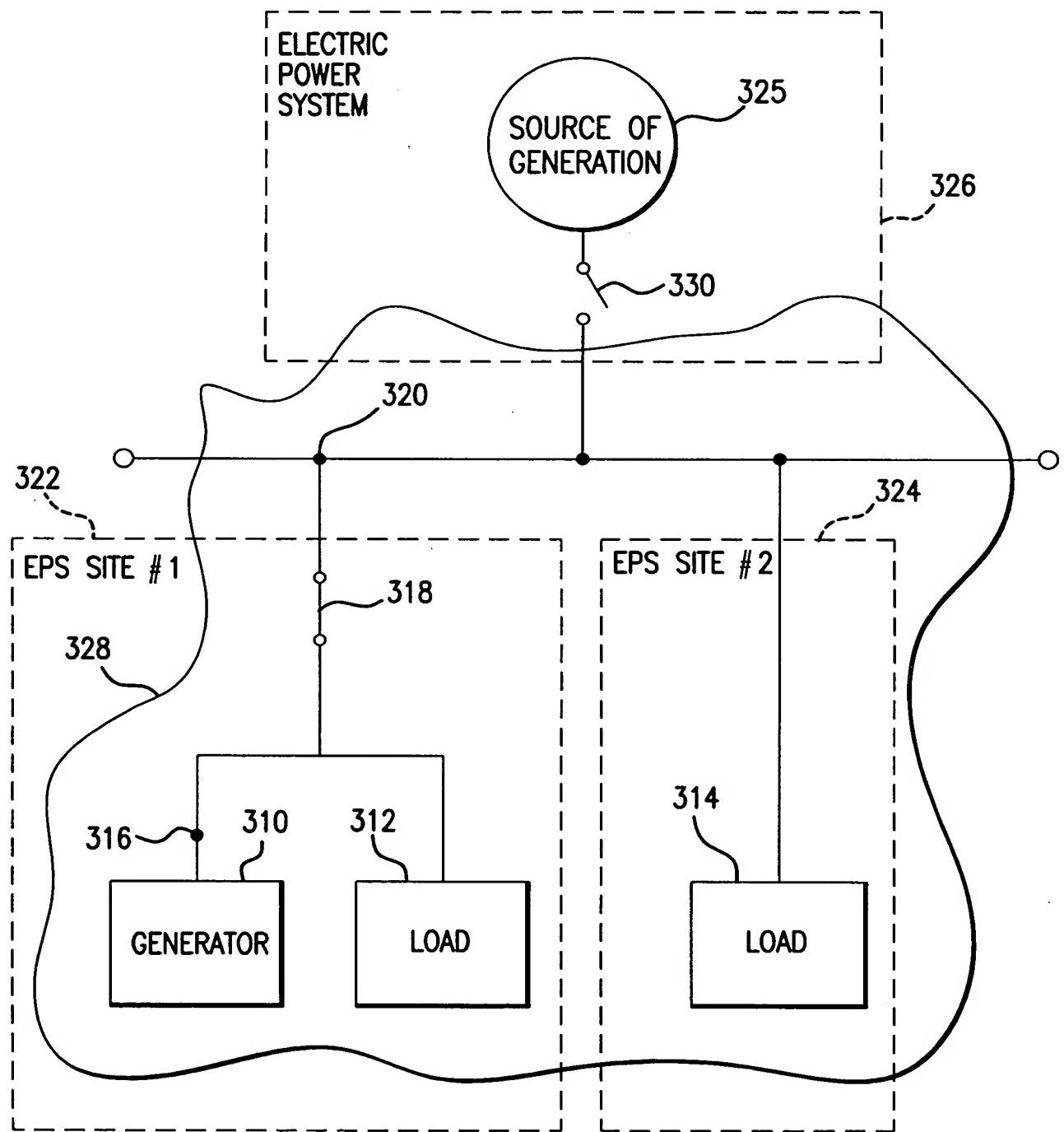


FIG. 5

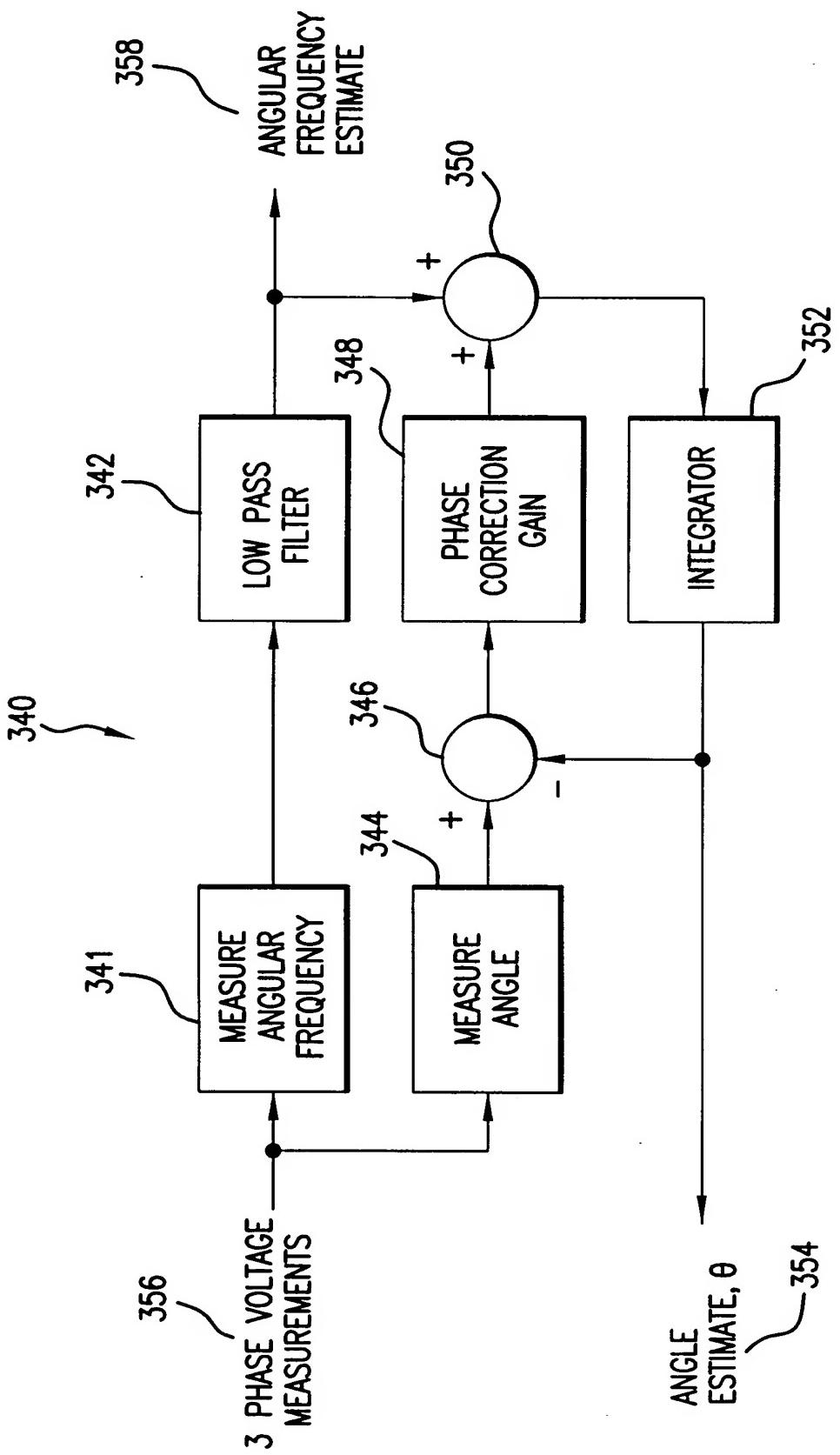
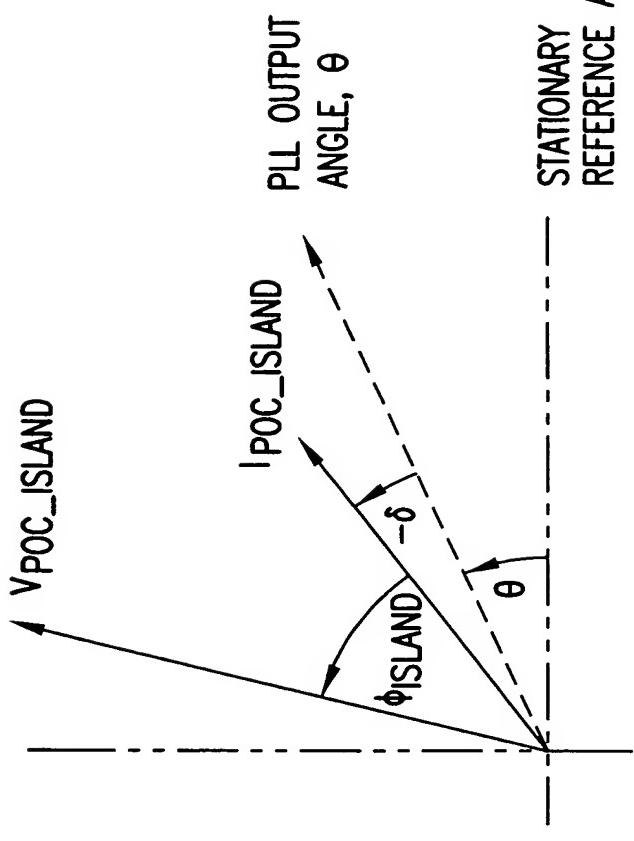


FIG.6



- $|I_{POC_ISLAND}|$ ISLANDED DR GENERATOR CURRENT MAGNITUDE AT THE POC (A)
- V_{POC_ISLAND} ISLANDED VOLTAGE MAGNITUDE AT THE POC (V)
- Z_{ISLAND} IMPEDANCE MAGNITUDE OF THE ISLAND LOOKING INTO THE POC (Ω)
- ϕ_{ISLAND} IMPEDANCE PHASE-ANGLE OF THE ISLAND LOOKING INTO THE POC (RADIAN)
- P_{DRG} DEMANDED REAL POWER OUTPUT OF THE DR GENERATOR (W)
- Q_{DRG} DEMANDED REACTIVE POWER OUTPUT OF THE DR GENERATOR (LAGGING IS POSITIVE) (VAR)
- θ ANGLE OUTPUT FROM THE PLL (RADIAN)
- $\delta = \tan^{-1}(Q_{DRG}/P_{DRG})$ (RADIAN) DEMANDED CURRENT PHASE ANGLE, $\delta = \tan^{-1}(Q_{DRG}/P_{DRG})$ (RADIAN)

FIG. 7

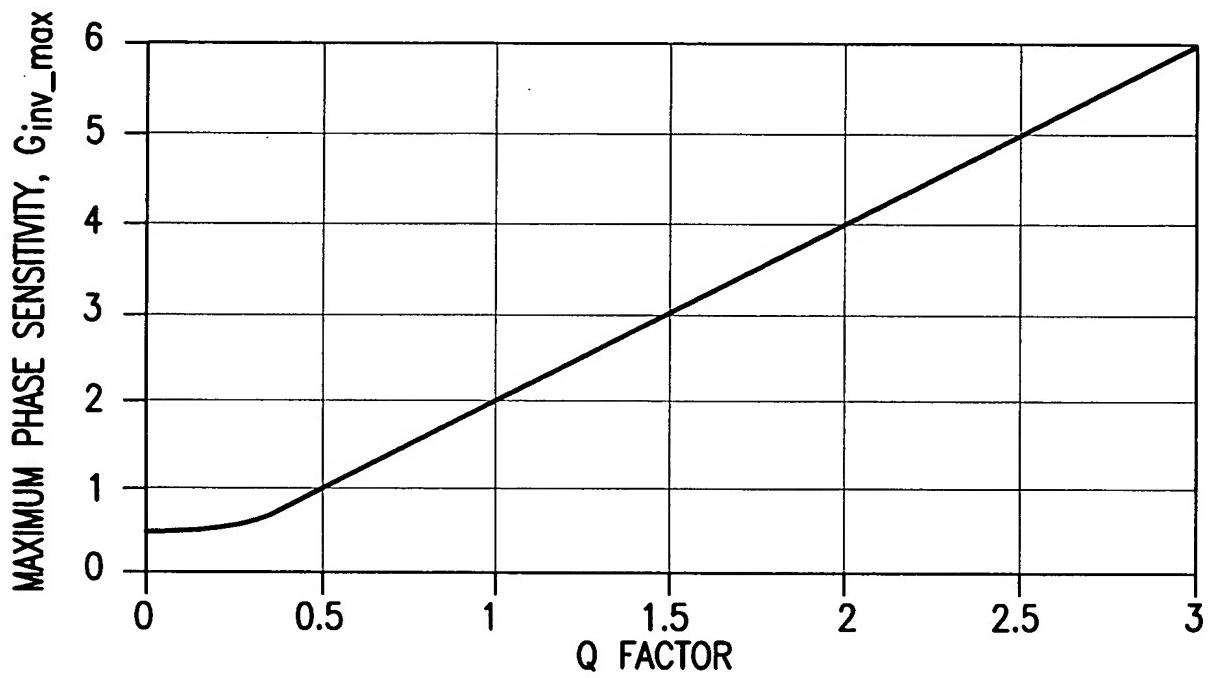


FIG.8

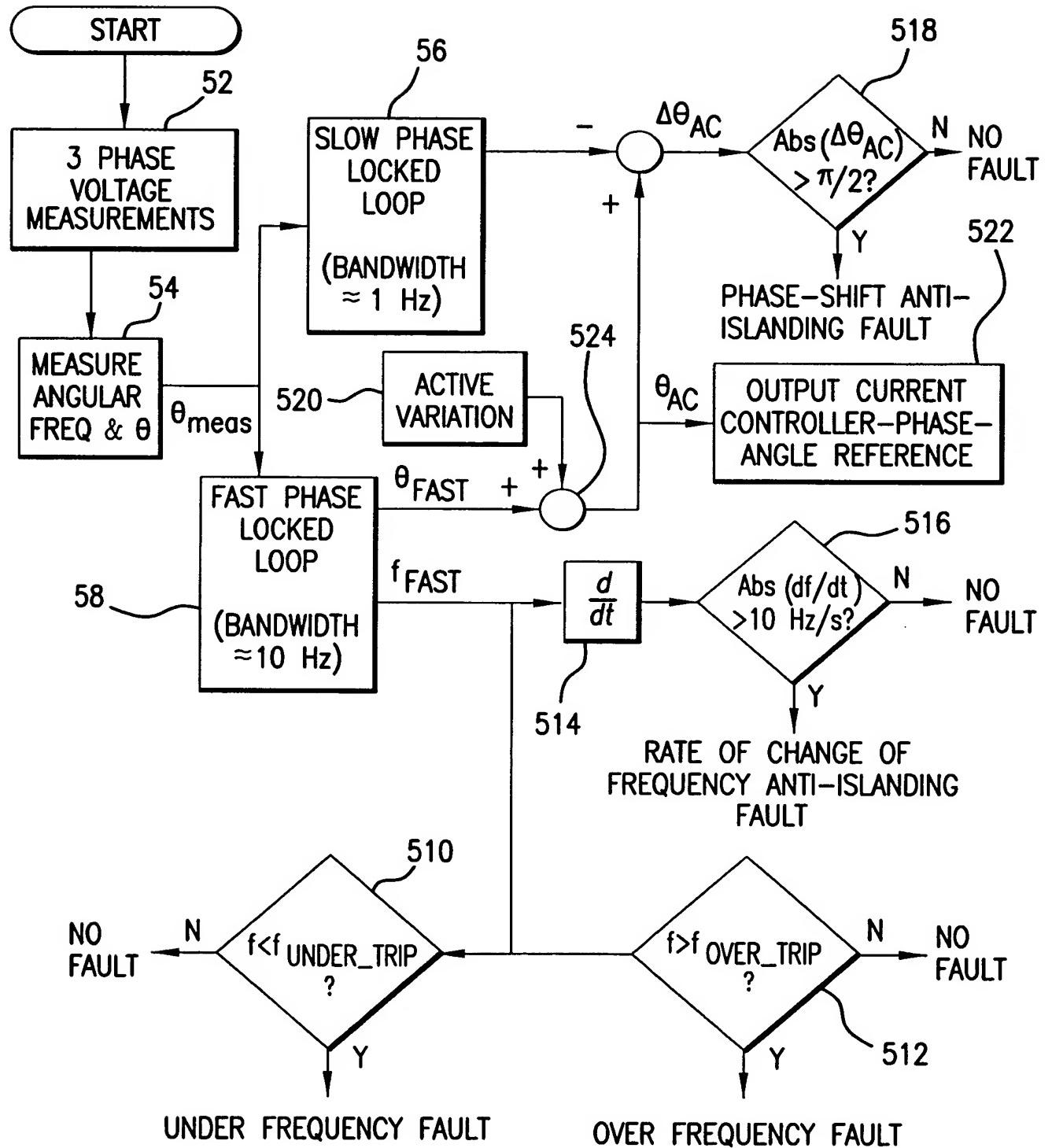


FIG.9A

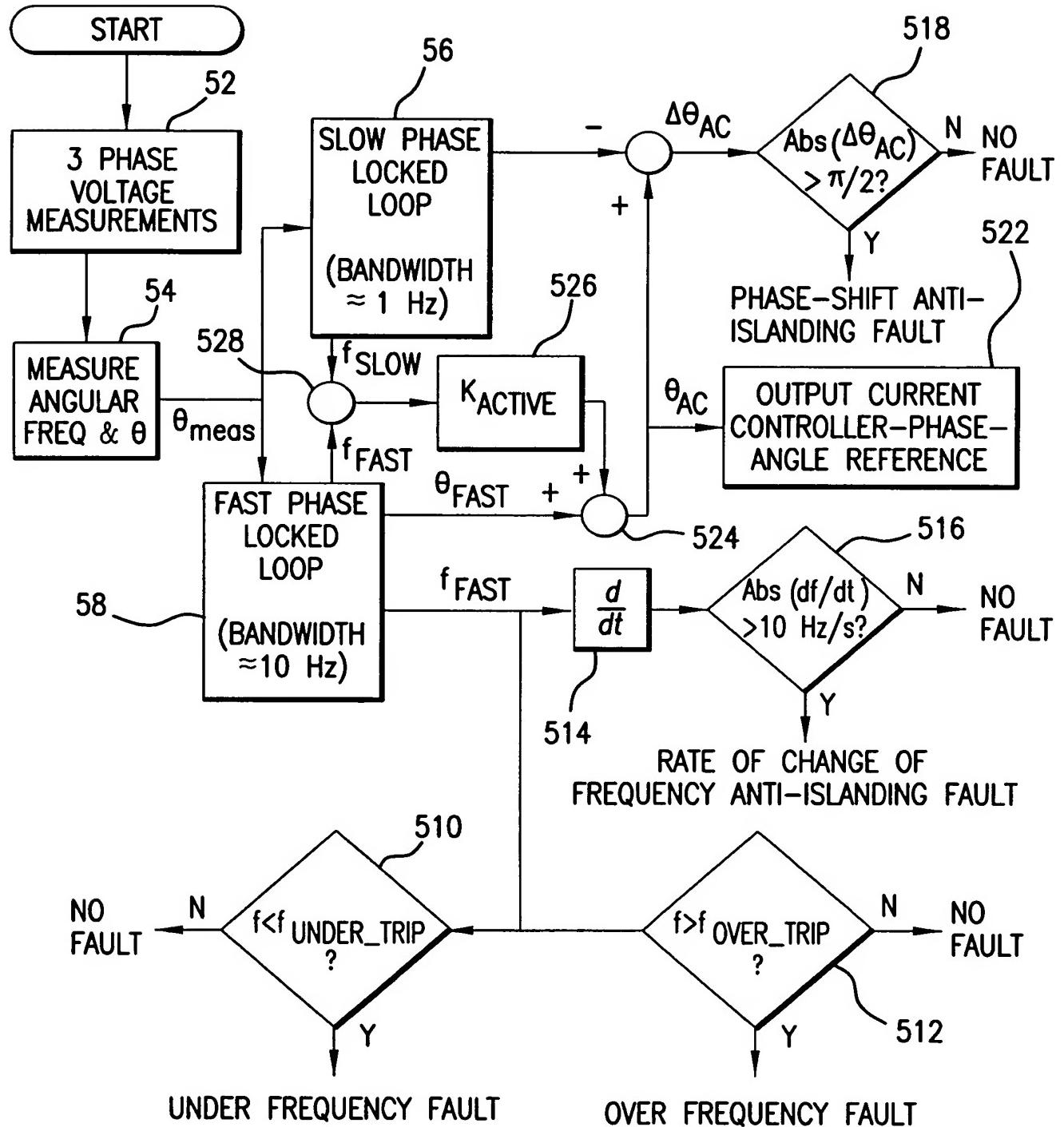


FIG. 9B

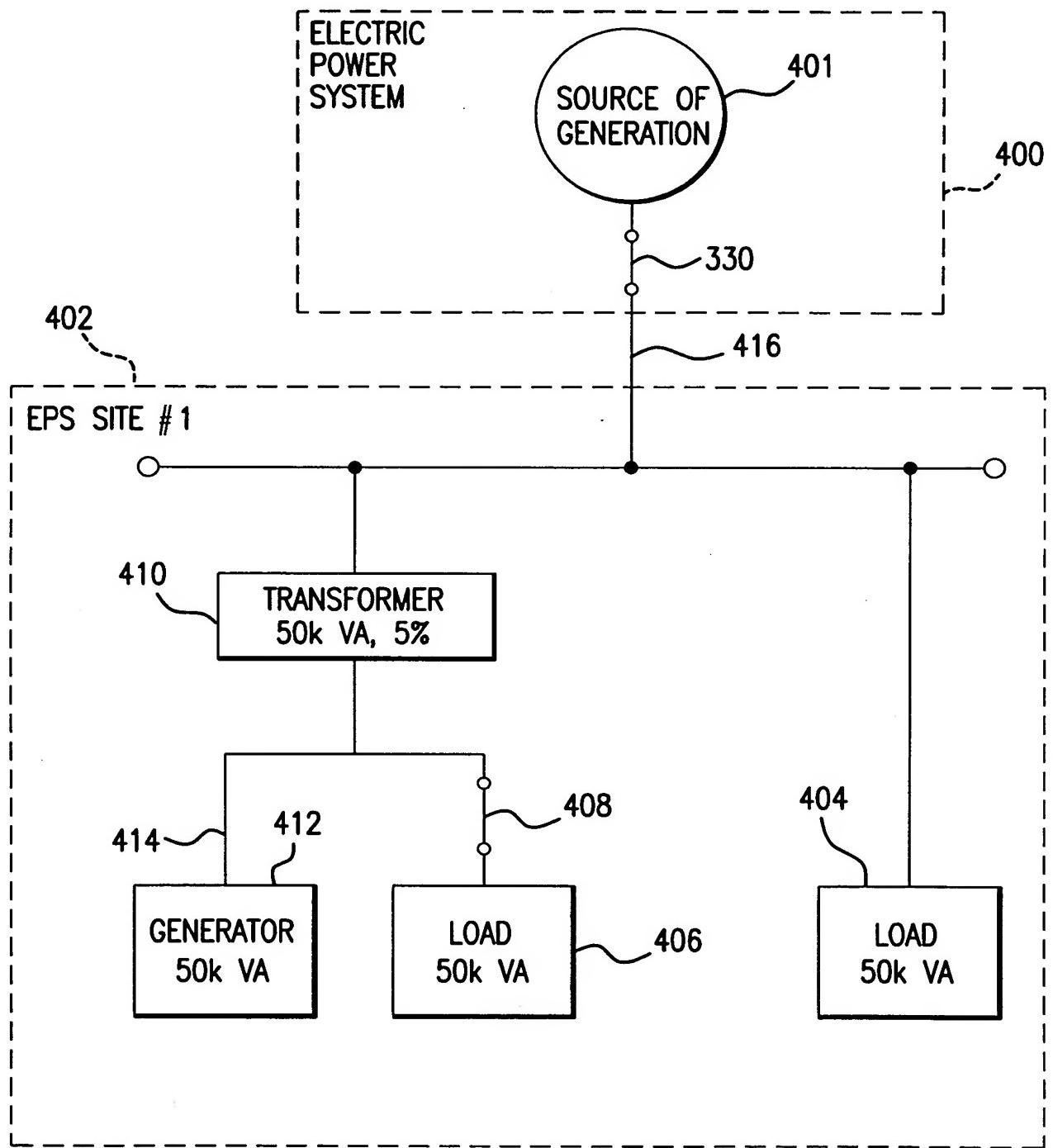


FIG. 10